MSD

October 31, 1996

Ms. Liza Montalvo
Residual Project Manager
Kentucky/Tennessee Section
U. S. Environmental Protection Agency
Region IV
345 Courtland St, N. E.
Atlanta, GA 30365

Re: **Report of Field Observation - FY 97 -First Quarter (FY97-1Q), Lees Lane Superfund Site, Jefferson County, Kentucky, Administrative Order on Consent, USEPA Docket No. 91-32-C**

Dear Ms. Montalvo:

In accordance with paragraph 11, under the heading Reporting Requirements, of the subject Consent Order and Attachment 1, Operation and Maintenance Plan For Post-Removal Site Control at the Lees Lane Landfill Site, I am enclosing one (1) copy of the Report of Field Observation (Appendix J), identified as Observation Report No. FY 97-1Q, for your information and files.

Please advise if you have any questions concerning the attached Report of Field Observation for FY97-1Q.

Sincerely,

Carl A. Neumayer
Director of Operations
CAN/dc
Lees-1Qltr
Enc.

cc: Kentucky Natural Resource Environment Protection Cabinet
Mr. Rick Hogan, Division of Waste Management
Kentucky Natural Resource Environment Protection Cabinet
Mr. Jeff Pratt, Division of Waste Management
G. R. Garner, Executive Director
File WD-2 (Lees Lane M&M Quarterly)

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REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No.: FY97-1Q **Date of Observation: 9/26/96**

Instruction: If any item is checked yes, provide details of the problem and maintenance recommendations below and indicate the location of deficiency on the site map provided.

Comment No.:	Comment
A-1	Fill material has been placed in the rutted areas adjacent to Gas Well No. 6 and is awaiting seeding during spring, 1997.
A-4	Depressed area of access road near the northern portion of the site appears to have settled to some extent.
B-2	Condition of Putman Avenue barricade remains unchanged from previous quarterly institutional inspections. Vegetation growth adjacent to the access road has been trimmed.
C-1	Continue to observe small arms fire damage to the walls of the Blower House and warning signs. Small arms fire damage is evident on all faces of the Blower House except the west face.

Comment No.	Corrective Action Performed
A-1	Schedule seeding prior to the beginning of FY 97-3Q.
A-4	Consider placement of earthen back fill material in depressed area of access road; provide a surface layer of 6/10 stone and dense grade aggregate for a driving surface.
B-2	No further corrective action required at this time.
C-1	No corrective action proposed at this time. Continue to monitor small arms fire damage and consider scheduling of repairs to concrete block walls of Blower House prior to FY 97-3Q.

Comment No.:	Comment
C-7	Observed moisture trap No. 28 concrete collar has been disturbed and needs to be reset.
C-9	Observed excessive vegetation surrounding gas wells numbers 1 through 6.
D-8	Unable to observe condition of tubing, fittings and valves on gas wells because all gas well caps were securely locked. Institutional monitoring of these gas well facilities prior to the end of FY 97-1Q.
E-2	Unable to observe any erosion of riprap or underlying river bank material because of substantial vegetation growth on the Ohio River lower pool at the time of this institutional inspection. However, excessive vegetation does not appear to be disturbed, and, therefore, continues to stabilize the Ohio River bank against scouring under high lower pool river conditions.
E-4	Previously observed rutted surfaces in the clay cap area in the vicinity of the groundwater well have been filled and dressed.

Comment No.	Corrective Action Performed
C-7	Schedule resetting of disturbed concrete collar for moisture trap No. 28 prior to FY 97-2Q institutional inspection.
C-9	Schedule cutting of excessive vegetation surrounding gas wells, Nos. 1 through 6 prior to the end of FY 97-2Q.
D-8	No corrective action required. Radian Associates and MSD Force Account did not experience any difficulty with the condition of tubing and fittings during the quarterly field monitoring activities conducted prior to the end of FY 97-1Q.
E-2	No corrective action required at this time.
E-4	No corrective action required at this time.

Comment No.:	Comment
E-7	Vegetative growth has re-established in the riprap areas adjacent to the clay cap and riprap sloped drainage channels.
E-8	Observed that the build up of trash and debris from previous high water on the Ohio River are minimal on the riprap portion adjacent to the clay cap area.
F-1	Observed the shale drainage swale between the access road and the top of the riprap slope section. Condition of the shale drainage swale appears satisfactory with only slight evidence of standing water above the culvert pipe crossing under the asphalt access road.
F-4	Observed the fill of placement area south of Benchmark No. 4 which may require seeding in the spring, 1997.
F-5	No ponding water evident in the vicinity of the refilled depressed area south of Benchmark No. 4.

Comment No.	Corrective Action Performed
E-7	Schedule independent contractor to spray riprap areas adjacent to the clap cap prior to FY 97-3Q in order to control regrowth of vegetation.
E-8	No corrective action required at this time.
F-1	Continue to monitor shale drainage swale at quarterly institutional inspections for any evidence of erosion or standing water conditions. Consider slipping a smaller diameter drainage pipe to proper grade inside of the existing culvert and regrade the upstream inlet area prior to the end of FY 97-3Q.
F-4	Schedule seeding of the fill area south of Benchmark No. 4, if required, prior to the end of FY 97-3Q.
F-5	No corrective action required at this time.

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REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No: FY97-10 Date of Observation: 9/26/96

Time Arrived Onsite: 1:20 p.m. Time Departed Site: 2:40 p.m.

Field Personnel: Carl A. Neumayer, Director of Operations and Richard H. Watkins, Support Services Manager, Maintenance Division

Section A: General Site Conditions

Observation:	Yes*	No	Not Observed	Comment No.
1. Major settlement of topsoil or erosion exposing waste/ fill material		X		A-1
2. Evidence of leachate seepage		X	X	
3. Distressed Vegetation		X		
4. Pot holes, erosion of access road		X		A-4

Section B: Institutional Controls

Observation:	Yes*	No	Not Observed	Comment No.
1. Structural problem with Lee's Lane gate or barricade		X		
2. Structural problem with Putman Ave. barricade		X		B-2
3. Lee's Lane gate unlocked		X		
4. Broken or missing lock		X		

Section C: Gas Collection System

Observation:	Yes*	No	Not Observed	Comment No.
1. Vandalism to blower house, wells, or moisture traps	X			C-1
2. Structural damage to blower house		X		
3. Blower not operating or visible damage		X		
4. Blower house not secure and unclean		X		

Observation:	Yes*	No	Not Observed	Comment No.
5. Service box lids not in place	—	X	—	
6. Alarm and blower controls not functioning	—	X	—	
7. Settlement or tilting of well/moisture trap concrete collars	X	X	—	
8. Well/moisture trap covers missing or damaged	—	X	—	
9. Excessive vegetation covering wells/mositure traps	X	—	—	C-9
10. Adjustment valve inaccessible	—	X	—	
11. Well/moisture trap caps, plugs, and piping missing or damaged	—	X	—	
12. Blower house and well/ moisture trap signs missing or damaged	—	X	—	

Section D: Groundwater & Gas Monitor Wells

Observation:	Yes*	No	Not Observed	Comment No.
1. Wells unlocked	—	X	—	
2. Guard posts and rails missing or damaged	—	X	—	
3. Protective casing missing, damaged or rusted	—	X	—	
4. Concrete pads damaged or cracked	—	X	—	
5. Possible surface water infiltration into wells	—	X	—	
6. Excessive vegetation or debris around wells	—	X	—	D-6
7. Well cap missing or damaged	—	X	—	
8. Tubing, fittings, and valves missing or damaged (gas wells only)	—	—	X	D-8

Section E: Bank Protection Controls

Observation:	Yes*	No	Not Observed	Comment No.
1. Subsidence of slope, sloughing or caving	—	X	—	—
2. Erosion of rip-rap or underlying material	—	—	X	F-2
3. Abnormally damp areas, wet ground vegetation	—	X	—	—
4. Soft spots in surface	X	X	—	F-4
5. Seepage, water flow, piping, or sand boils	—	X	—	—
6. Undermining of rip-rap	—	—	X	—
7. Vegetative growth on rip-rap slope	X	X	—	F-7
8. Buildup of trash and debris on rip-rap	—	X	—	F-8
9. Exposed trash or filter fabric	—	X	—	—
10. Tilting trees	—	X	—	—
11. Tension cracks	—	X	—	—
12. Survey monuments missing or damaged	—	X	—	—

Section F: Surface Waste Cleanup/Cover

Observation:	Yes*	No	Not Observed	Comment No.
1. Swales greater than 1 foot wide and 2 inches deep	—	X	—	F-1
2. Cracks greater than 1 inch wide and 6 inches deep	—	X	—	—
3. Areas of erosional damage to grass	—	X	—	—
4. Inadequate grass cover (area > 36 ft^2	X	X	—	F-4
5. Ponded water (area larger than 2 feet in diameter and 3 inches deep)	—	X	—	F-5
6. Erosion or ponded water greater than 12 inches deep (requires immediate repair)	—	X	—	—

* If yes, assign a comment no. in the last column and follow instructions on comment sheet.

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No. FY 97-1Q Date of Observation 9/26/96

Site Map

Signature of Observer: [signature] Date: 10/31/96